

*Measurement Ranges available in the Controller
(Eutech Instruments)*

Range No.	Range	Resolution	Default cell K
1	0.000 – 1.999 μ S	0.001 μ S	0.01
2	0.00 – 19.99 μ S	0.01 μ S	0.01
3	0.00 – 19.99 μ S	0.01 μ S	0.1
4	0.0 – 199.9 μ S	0.1 μ S	0.1
5	0.0 – 199.9 μ S	0.1 μ S	1.0
6	0 – 1999 μ S	1 μ S	1.0
7	0 – 5000 μ S	5 μ S	1.0
8	0.00 – 19.99 mS	0.01 mS	1.0
9	0.0 – 199.9 mS	0.1 mS	10.0
0	0.0 – 199.9 mS	0.1 mS	1.0

Conductivity (25°C)

Substance	Concentration wt %	Conductivity 10-4S/cm	Conductivity Coefficient
NaOH	5	1969	2.01
	10	3124	2.17
	15	3463	2.49
	20	3270	2.99
	30	2022	4.50
	40	1164	6.48
KOH (15°C)	25.2	5403	2.09
	29.4	5434	2.21
	33.6	5221	2.36
	42.0	4212	2.83
NH3 (15°C)	0.10	2.51	2.46
	1.60	8.67	2.38
	4.01	10.95	2.50
	8.03	10.38	2.62
	16.15	6.32	3.01
	30.5	1.93	-
HF	1.5	198	7.20
	4.8	593	6.66
	24.5	2832	5.83

Substance	Concentration wt %	Conductivity 10-4S/cm	Conductivity Coefficient
H3PO4 (15oC)	10	566	1.04
	20	1129	1.14
	40	2070	1.50
	45	2087	1.61
	50	2073	1.74
NaCl	5	672	2.17
	10	1211	2.14
	15	1642	2.12
	20	1957	2.16
	25	2153	2.27
Na2SO4	5	409	2.36
	10	687	2.49
	15	886	2.56
HCl	5	1969	1.58
	10	3124	1.56
	20	3463	1.54
	30	662	1.52
	40	5152	-

Substance	Concentration wt %	Conductivity 10-4S/cm	Conductivity Coefficient
KBr (15oC)	5	465	2.06
	10	928	1.94
	20	1907	1.77
KCN (15oC)	3.25	507	2.07
	6.5	1026	1.93
NH4Cl	5	918	1.98
	10	1776	1.86
	15	2586	1.71
	20	3365	1.61
	25	4025	1.54
(NH4)2SO4	5	552	2.15
	10	1010	2.03
	20	1779	1.93
	30	2292	1.91
Na2CO3	5	456	2.52
	10	705	2.71
	15	836	2.94
KCl	5	690	2.01
	10	1359	1.88
	15	2020	1.79
	20	2677	1.68
	25	2810	1.66

Substance	Concentration wt %	Conductivity 10-4S/cm	Conductivity Coefficient
HNO3	6.2	3123	1.47
	12.4	5418	1.42
	31.0	7819	1.39
	49.6	6341	1.57
	62.0	4964	1.57
H2SO4	5	2085	1.21
	10	3915	1.28
	20	6527	1.45
	40	6800	1.78
	50	54055	1.93
	60	3726	2.13
	80	1105	3.49
	100.14	187	0.30
CuSO4	5	109	2.13
	10	189	2.16
	20	320	2.18
	30	421	2.31
CH3COOH	1	5.84	-
	10	15.26	1.69
	15	16.19	1.74
	20	16.05	1.79
	30	14.01	1.86
	40	10.81	1.95